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NOTICE OF ALLOWANCE AND FEE(S) DUE

38834 7590 03/25/2008 WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP

EXAMINER DUONG, THOI V PAPER NUMBER ARTHNIT

2871 DATE MAILED: 03/25/2008

1250 CONNECTICUT AVENUE, NW SUITE 700 WASHINGTON DC 20036

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/531,326	04/14/2005	Shuuji Yano	052411	6463			
TITLE OF INVENTION: OPTICAL FILM AND LIQUID CRYSTAL DISPLAY							

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	06/25/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further c indicated unless correcte maintenance fee notificat	form should be used for correspondence includir d below or directed oth ions.	or tran ig the l ierwise	smitting the ISSU Patent, advance or in Block 1, by (a	TE FEE and PUBLE ders and notification o) specifying a new of					hould be completed where correspondence address as trate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
38834 7590 032525008 WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP 1250 CONNECTICUT AVENUE, NW SUITE 700				N, LLP	There is o'ver central each of hadding or Transmission. I hereby certify that this Fee(s) Transmital is being deposited with the United States Postals Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facstimile transmitted to the USPIO (5/1) 273-2885, on the date indicated between				
WASHINGTON	, DC 20036								(Depositor's name)
									(Signature)
					L				(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVE	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO		\$1440	\$300		\$0		\$1740	06/25/2008
EXAMI	NER		ART UNIT	CLASS-SUBCLAS	S				
DUONG,			287I	349-II7000					
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). Change of correspondence address (or Change of Correspondence Address form PTOSBI 22) attached. "Fee Address' indication (or "Fee Address" Indication form PTOSBI 47: Rev 03-02 or more recent) attached. Use of a Customer Number is required.			Correspondence	(I) the names of or agents OR, alte (2) the name of a registered attorne 2 registered paten	E For printing on the patent front page, list 1				
(A) NAME OF ASSIC	ess an assignee is ident in 37 CFR 3.11. Comp	ified be oletion o	elow, no assignee of this form is NO	data will appear on T a substitute for filir (B) RESIDENCE: (the pi	atent. If an assign assignment. and STATE OR C	OUNT	RY)	ocument has been filed for
Please check the appropri	ate assignee category or	catego	ries (will not be pr	inted on the patent):		Individual	orporati	on or other private gro	oup entity Government
4a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			ed)	A check is enclo	sed. lit can ereby	d. Form PTO-2038	is atta	required fee(s), any de	
	SMALL ENTITY state	ıs. See :	37 CFR 1.27.					ITTY status. See 37 Cl	
NOTE: The Issue Fee and interest as shown by the re	Publication Fee (if requeords of the United Sta	uired) v tes Pate	vill not be accepted ent and Trademark	from anyone other to Office.	than t	he applicant; a regi	stered	attorney or agent; or th	e assignee or other party in
Authorized Signature						Date			
Typed or printed name						Registration N	lo		
This collection of informa an application. Confidenti submitting the completed this form and/or suggestic Box 1450, Alexandria, Vi Alexandria, Virginia 2231	tion is required by 37 C iality is governed by 35 application form to the ons for reducing this bur rginia 22313-1450. DC 3-1450.	FR 1.3 U.S.C. USPT rden, sh	11. The information 122 and 37 CFR O. Time will vary sould be sent to the SEND FEES OR O	on is required to obtai 1.14. This collection depending upon the e Chief Information C COMPLETED FORM	n or r is est indiv Office 4S TO	etain a benefit by t imated to take 12 i idual case. Any co r, U.S. Patent and D'THIS ADDRESS	he pub minute mmen Trader S. SEN	tic which is to file (and to complete, including s on the amount of tin nark Office, U.S. Depo D TO: Commissioner	by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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10/531,326	04/14/2005 Shuuji Yano		052411	6463	
38834 75	590 03/25/2008		EXAM	UNER	
WESTERMAN,	HATTORI, DANIEI	DUONG, THOI V			
	CUT AVENUE, NW	ART UNIT	PAPER NUMBER		
SUITE 700 WASHINGTON, DC 20036			2871 DATE MAIL ED: 03/25/2008		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 251 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 251 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	
10/531,326	YANO, SHUUJI	
Examiner	Art Unit	
Thoi V. Duong	2871	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence addressAll claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included
herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS
NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative
of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. No This communication is responsive to the amendment filed March 03, 2008,
- 2. The allowed claim(s) is/are 1 and 3-21.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a)

 All b)

 Some* c)

 None of the:
 - 1. A Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____
 - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDOMMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) Thereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date
- Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date .
- 7. Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- 9. Other _____.

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Art Unit: 2871

DETAILED ACTION

This office action is in response to the Amendment filed March 03, 2008.
 Accordingly, claims 1, 3 and 4 were amended, and claim 2 was cancelled.
 Currently, claims 1 and 3-21 are pending in this application.

Allowable Subject Matter

Claims 1 and 3-21 are allowed.

The following is an examiner's statement of reasons for allowance: none of the prior art of record fairly suggests or shows all of the limitations as claimed. Specifically,

Re claim 1, none of the prior art of record discloses, inter alia, an optical film for a liquid crystal display obtained by laminating a polarizing plate and a retardation film so that an absorption axis of the polarizing plate and a slow axis of the retardation film are perpendicular or parallel to each other, wherein the optical film is applied to an IPS mode liquid crystal display comprising a liquid crystal cell driven in IPS mode,

wherein the polarizing plate comprises a transparent protective film on both surfaces of a polarizer and if a direction on the transparent protective film in which an inplane refractive index is maximized is X axis, a direction perpendicular to X axis is Y axis, a direction of the film thickness is Z axis; and refractive indexes at 550 nm in the respective axes directions are nx1, ny1 and nz1; and a thickness of the film is d1 (nm) by definition.

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an in-plane retardation Re1 = $(nx1 - ny1) \times d1$ is 10 nm or less and a thickness direction retardation Rth = $\{(nx1 + ny1)/2 - nz1\} \times d1$ is in the range of from 30 nm to 100 nm, and

wherein if a direction on the retardation film in which an in-plane refractive index is maximized is X axis, a direction perpendicular to X axis is Y axis, a direction of the film thickness is Z axis; and refractive indexes at 550 nm in the respective axes directions are nx2, ny2 and nz2; and a thickness of the film is d2 (nm) by definition, the following relations are satisfied:

an Nz value represented by Nz = (nx2 - nz2)/(nx2 - ny2) is in the range of from 0.25 to 0.8, and

an in-plane retardation Re2 = $(nx2 - ny2) \times d2$ is in the range of from 60 to 300 nm.

The most relevant reference, US 2002/0149726 A1 to Yano et al. (Yano), fails to disclose or suggest an Nz value in the range of from 0.25 to 0.8. The Yano's reference only discloses an Nz value in the range of from -0.2 to 0.2.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thoi V. Duong whose telephone number is (571) 272Application/Control Number: 10/531,326 Page 4

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2292. The examiner can normally be reached on Monday-Friday from 8:30 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms, can be reached at (571) 272-1787.

/Thoi V. Duong/ - Primary Examiner

March 11, 2008